

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101017\
 Data File : BF099327.D
 Acq On : 11 Oct 2017 3:57
 Operator : SJ/JU
 Sample : I5749-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 11 04:59:50 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

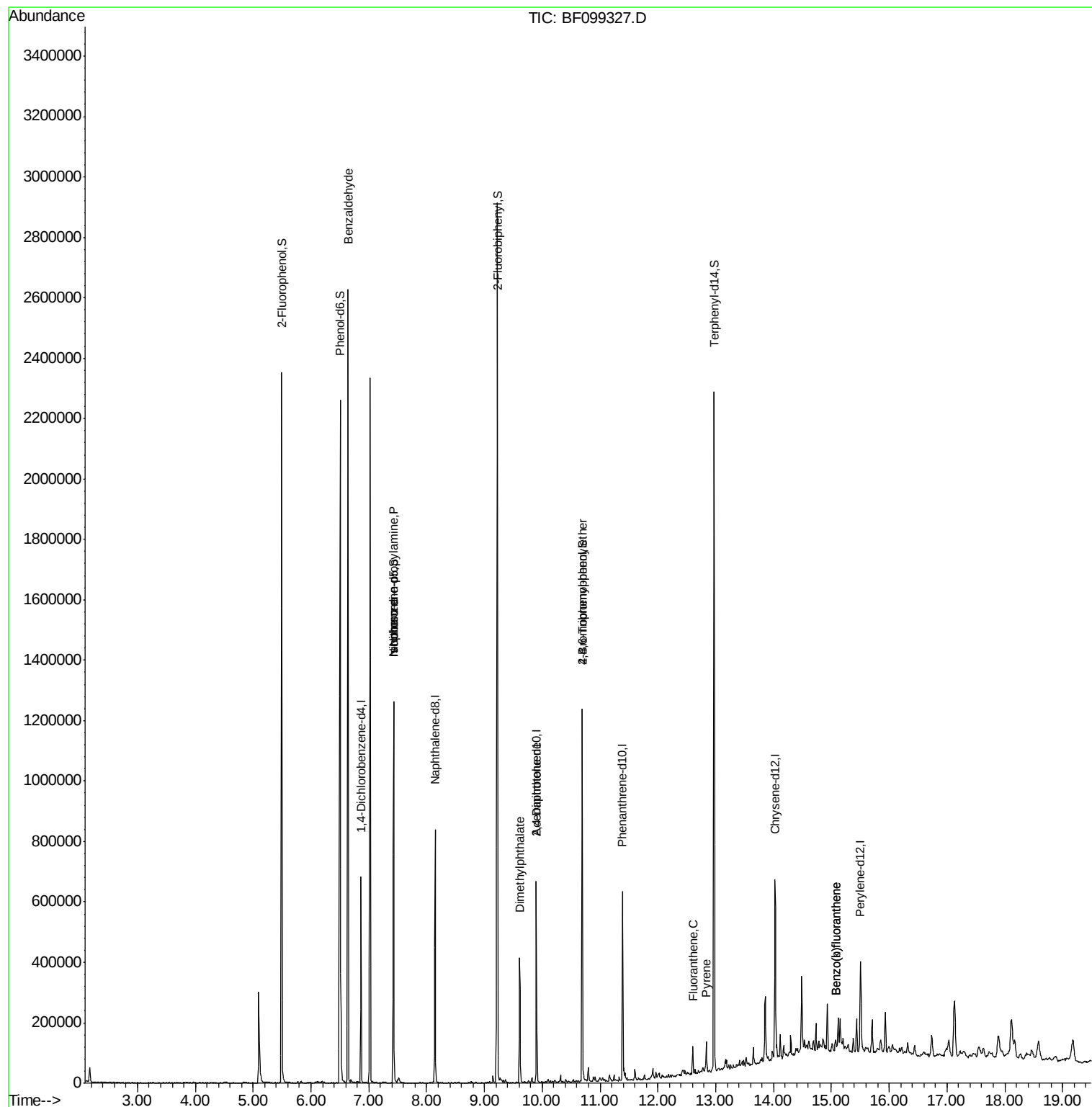
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	97371	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	364236	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	137449	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	219439	20.00	ng	0.00
75) Chrysene-d12	14.03	240	185718	20.00	ng	0.00
86) Perylene-d12	15.51	264	124817	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	778492	127.27	ng	0.01
7) Phenol-d6	6.50	99	898894	119.13	ng	0.00
23) Nitrobenzene-d5	7.43	82	435228	76.63	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	136866	121.69	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	907278	110.20	ng	0.00
78) Terphenyl-d14	12.97	244	694918	85.10	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.64	77	14288	3.26	ng	89
19) n-Nitroso-di-n-propylamine	7.43	70	55569	11.53	ng	# 73
25) Isophorone	7.43	82	435219	37.06	ng	# 64
49) Dimethylphthalate	9.61	163	170276	16.41	ng	98
56) 2,4-Dinitrotoluene	9.90	165	17494	5.97	ng	# 21
66) 4-Bromophenyl-phenylether	10.69	248	9142	4.26	ng	# 1
74) Fluoranthene	12.60	202	32779	2.76	ng	98
77) Pyrene	12.83	202	35154	2.48	ng	99
87) Benzo(b)fluoranthene	15.07	252	21432	2.79	ng	# 86
88) Benzo(k)fluoranthene	15.07	252	21432	2.83	ng	# 88

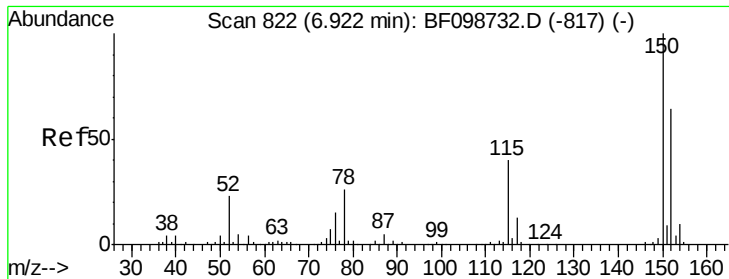
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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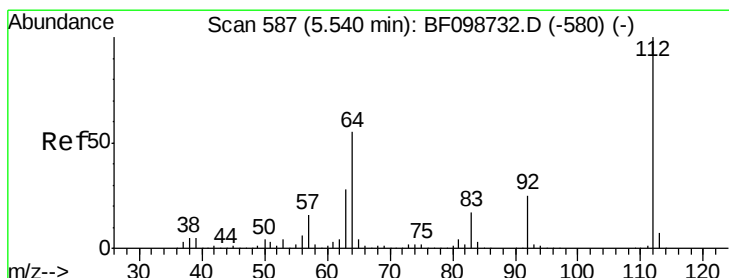
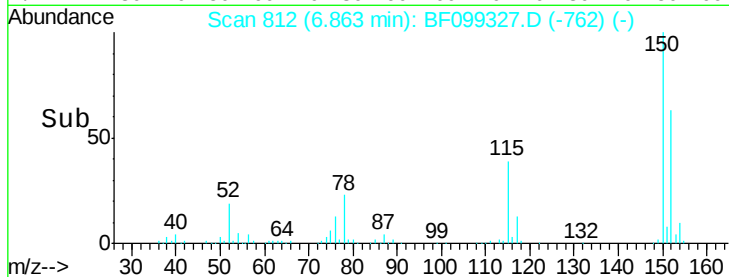
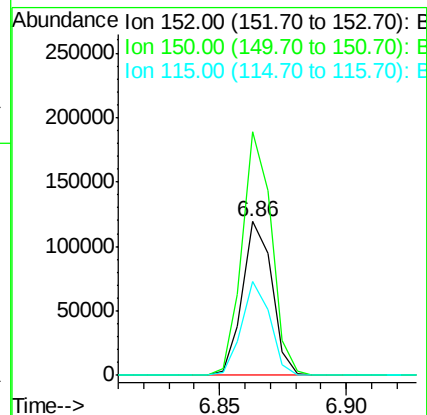
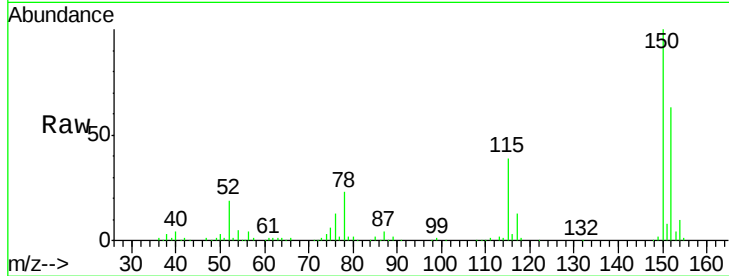


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

Instrument :
BNA_F
ClientSampleId :

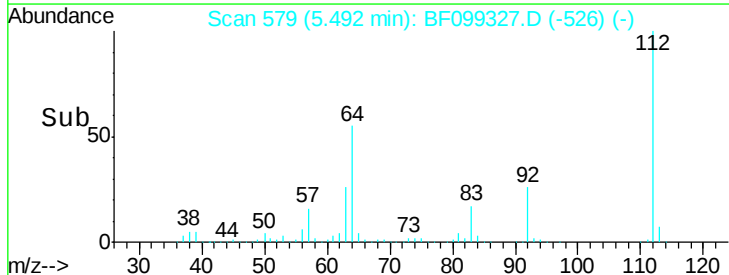
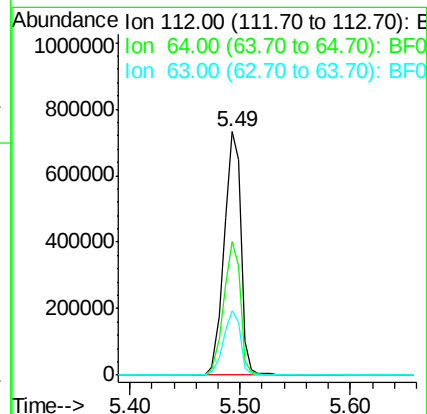
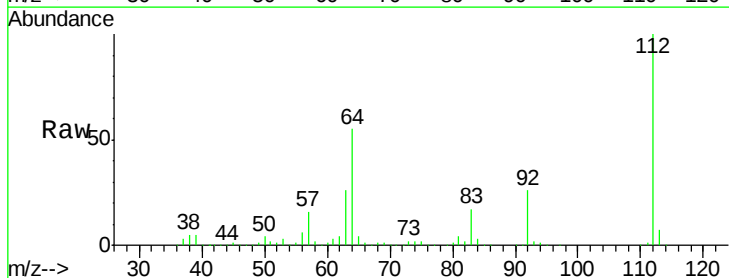
Tot Ion:152 Resp: 97371
Ion Ratio Lower Upper
152 100
150 158.5 124.6 186.8
115 61.4 50.1 75.1

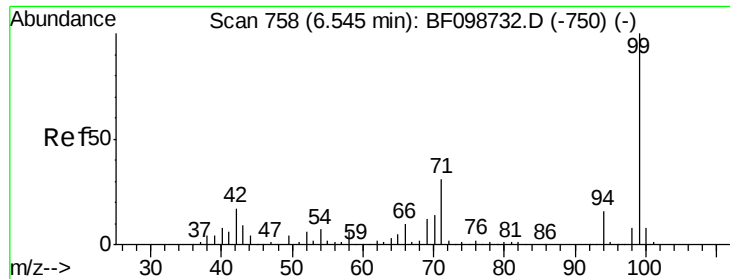


#5

2-Fluorophenol
Concen: 127.27 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

Tgt Ion:112 Resp: 778492
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 26.4 23.7 35.5





#7

Phenol-d6

Concen: 119.13 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampleId :

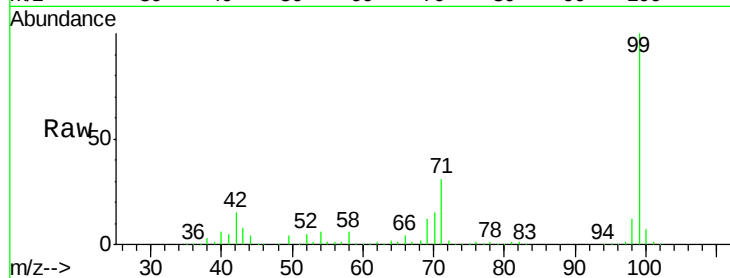
Tot Ion: 99 Resp: 898894

Ion Ratio Lower Upper

99 100

42 15.3 14.5 21.7

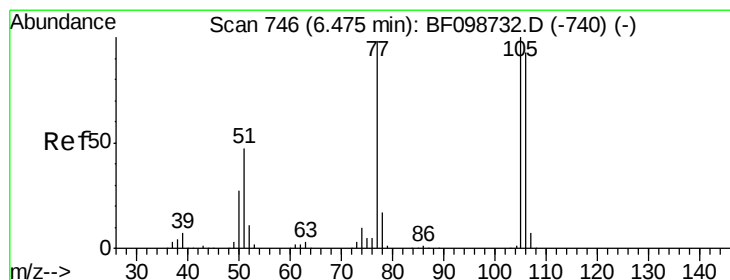
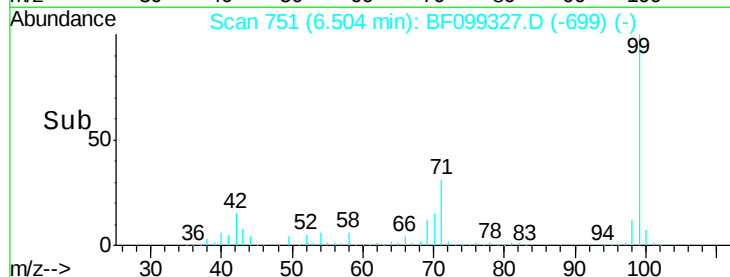
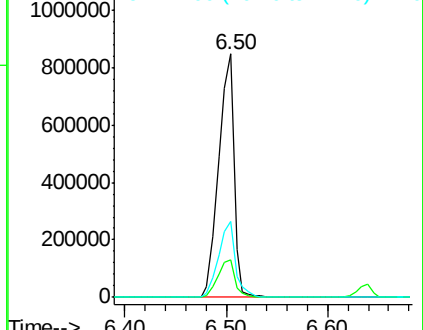
71 31.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.26 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.22 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

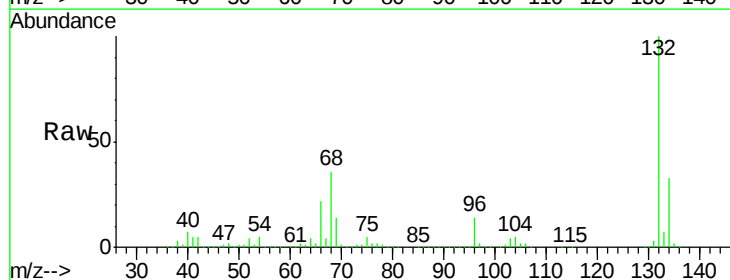
Tgt Ion: 77 Resp: 14288

Ion Ratio Lower Upper

77 100

105 83.1 81.1 121.1

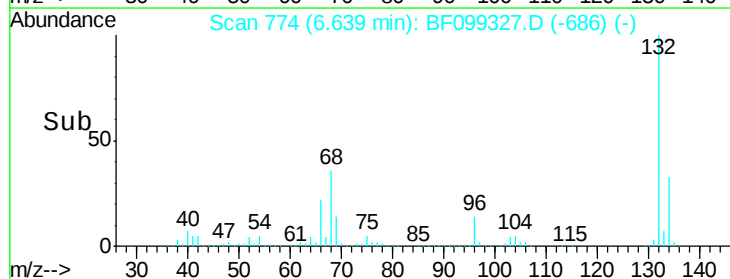
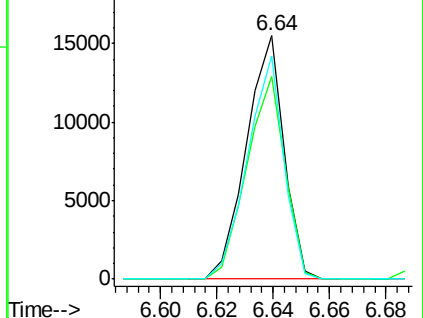
106 91.7 74.5 114.5

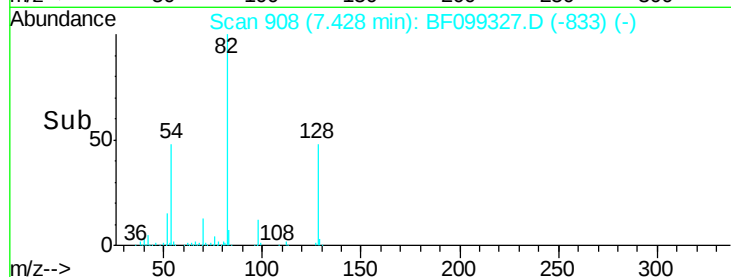
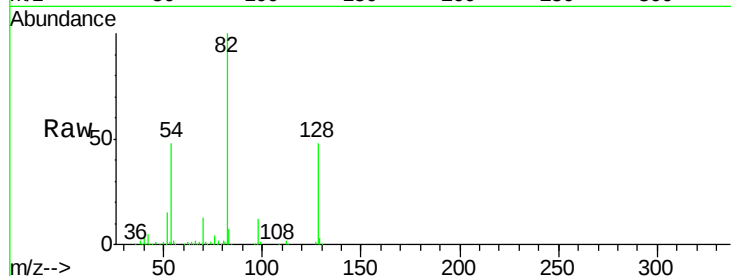


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 11.53 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 55569

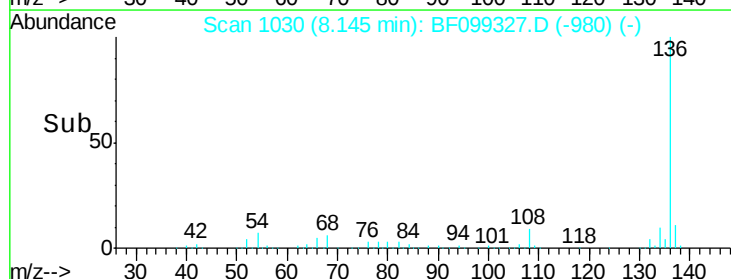
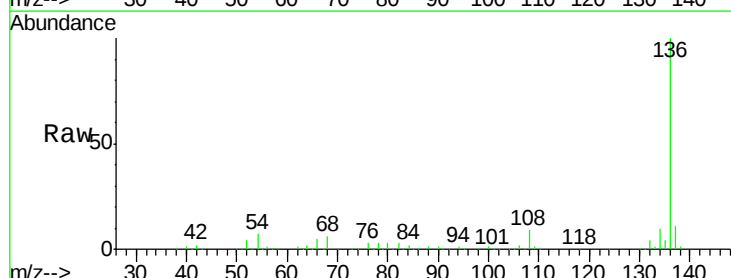
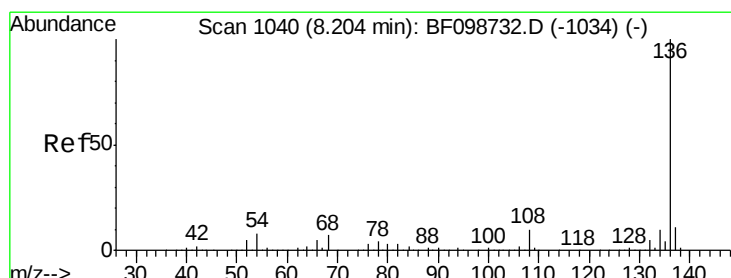
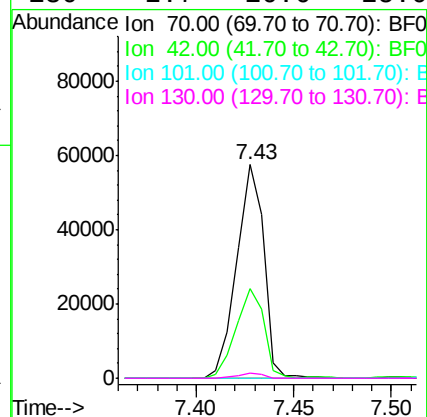
Ion Ratio Lower Upper

70 100

42 41.8 47.5 71.3#

101 0.0 7.4 11.2#

130 2.7 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Tgt Ion: 136 Resp: 364236

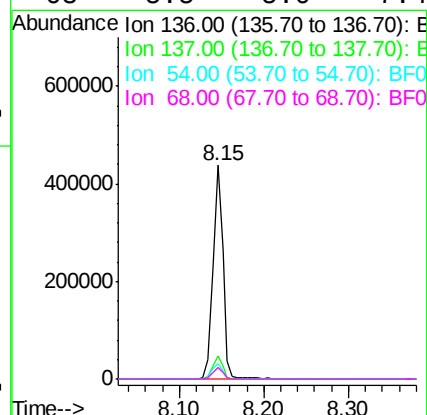
Ion Ratio Lower Upper

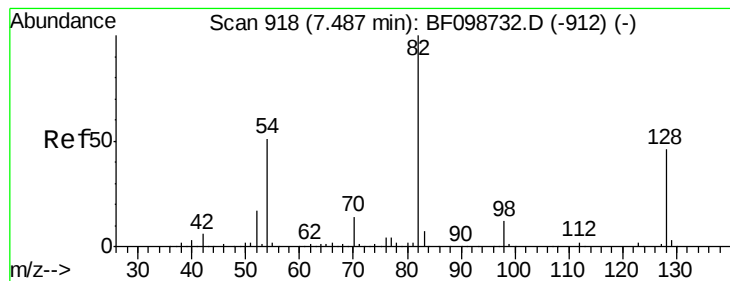
136 100

137 10.9 8.9 13.3

54 7.1 6.6 9.8

68 5.5 5.0 7.4





#23

Nitrobenzene-d5

Concen: 76.63 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampled :

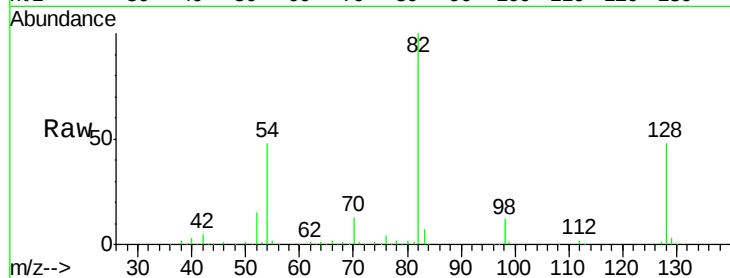
Tot Ion: 82 Resp: 435228

Ion Ratio Lower Upper

82 100

128 48.0 36.1 54.1

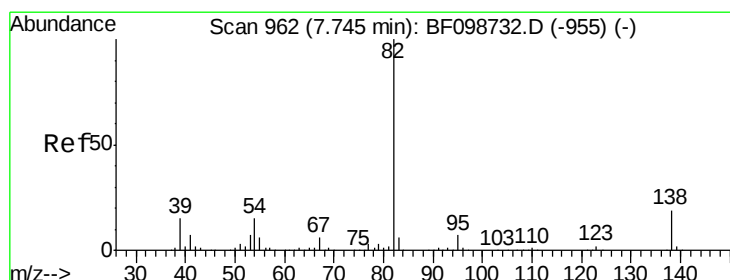
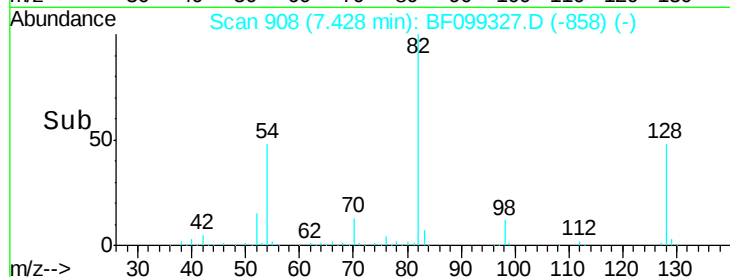
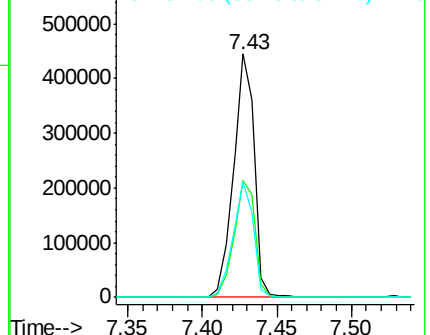
54 47.7 41.4 62.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 37.06 ng

RT: 7.43 min Scan# 908

Delta R.T. -0.26 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

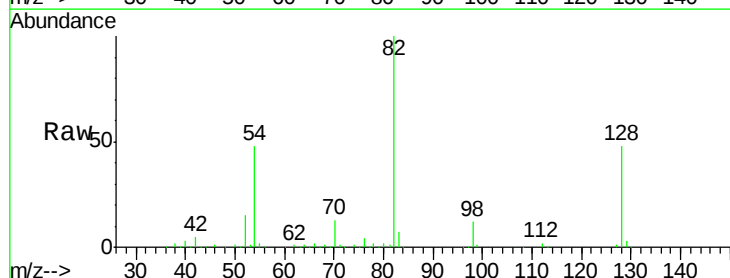
Tgt Ion: 82 Resp: 435219

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

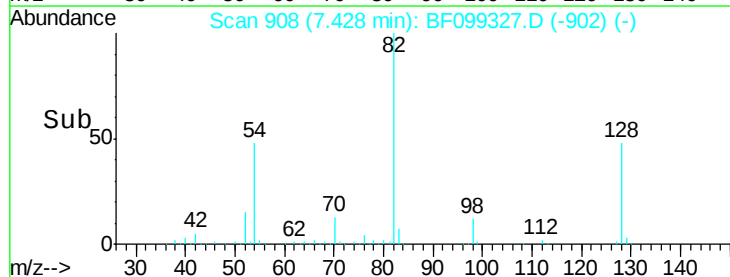
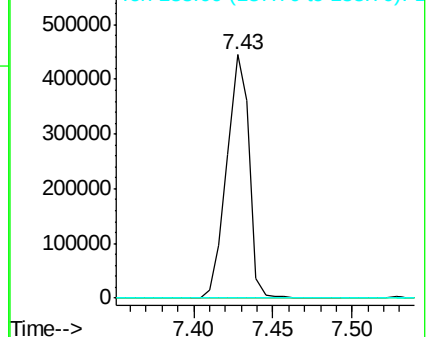
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampleId :

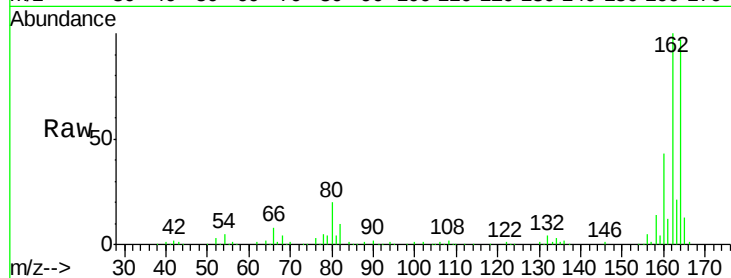
Tot Ion:164 Resp: 137449

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

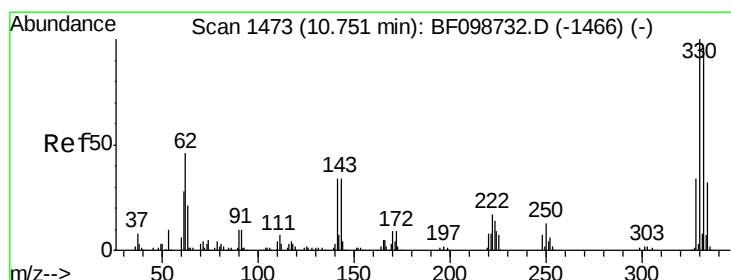
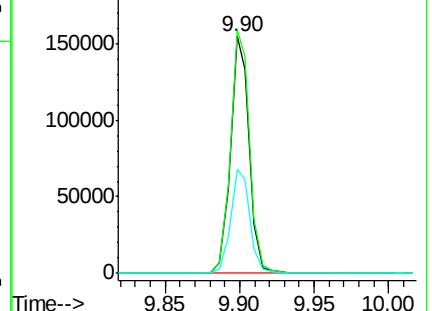
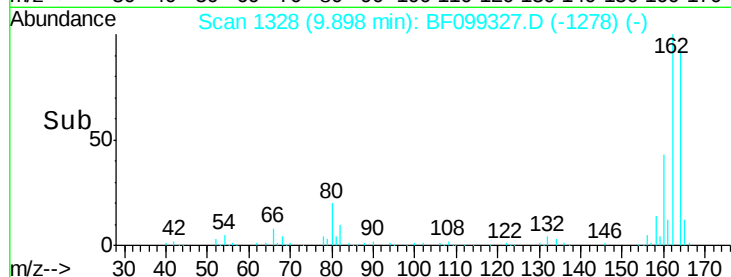
160 43.9 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 121.69 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

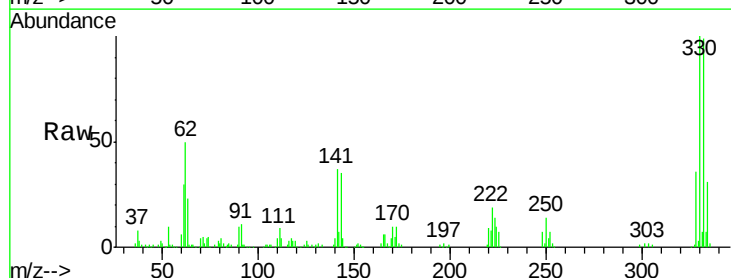
Tgt Ion:330 Resp: 136866

Ion Ratio Lower Upper

330 100

332 96.9 77.0 115.6

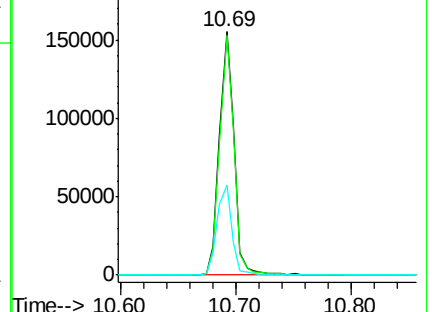
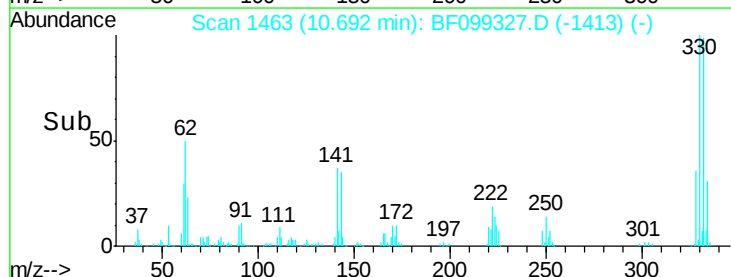
141 38.1 29.9 44.9



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

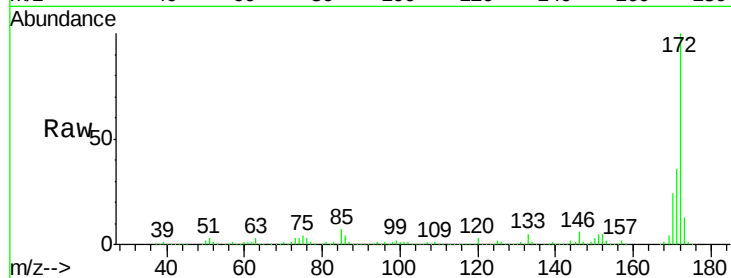




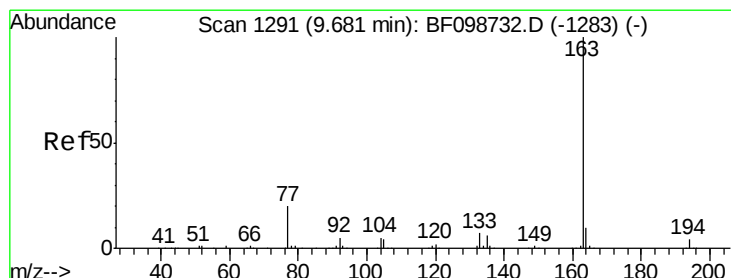
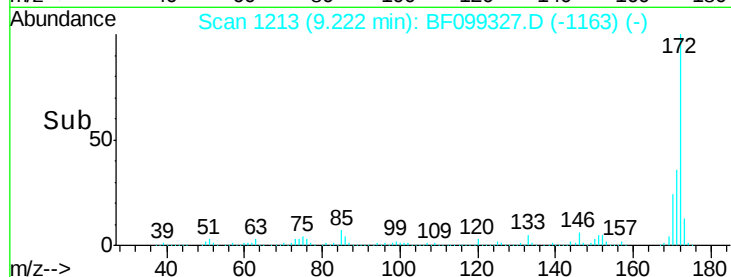
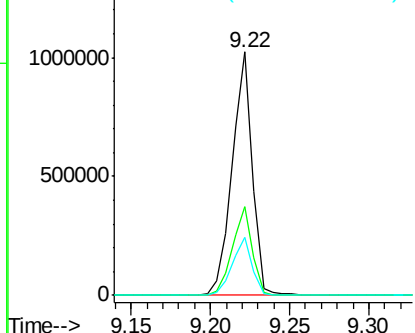
#44
 2-Fluorobiphenyl
 Concen: 110.20 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099327.D
 Acq: 11 Oct 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 907278
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.7 44.5
 170 23.9 19.6 29.4

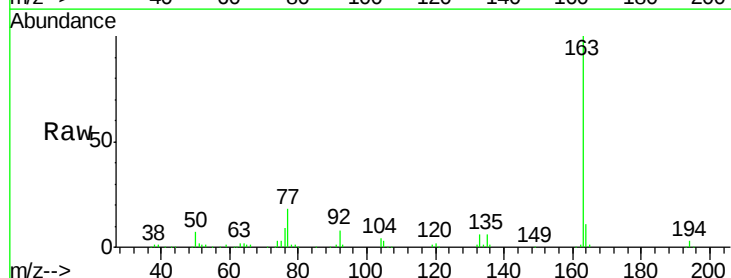


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

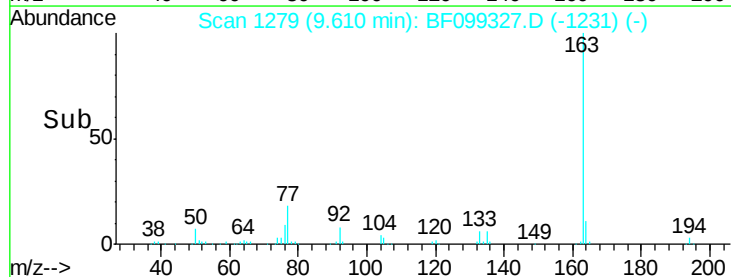
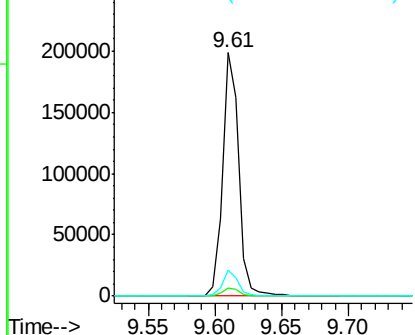


#49
 Dimethylphthalate
 Concen: 16.41 ng
 RT: 9.61 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF099327.D
 Acq: 11 Oct 2017 3:57

Tgt Ion:163 Resp: 170276
 Ion Ratio Lower Upper
 163 100
 194 3.2 2.7 4.1
 164 10.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

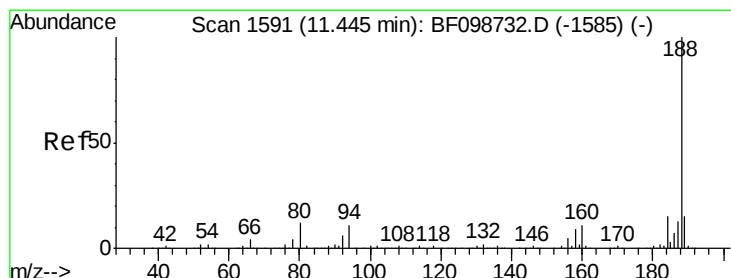
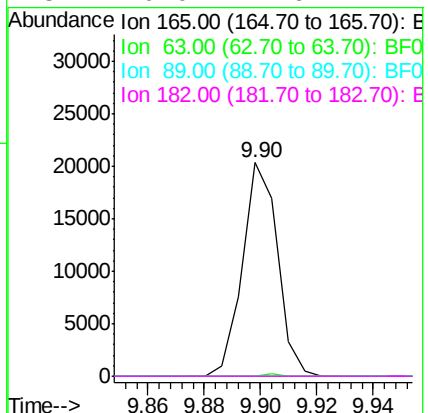
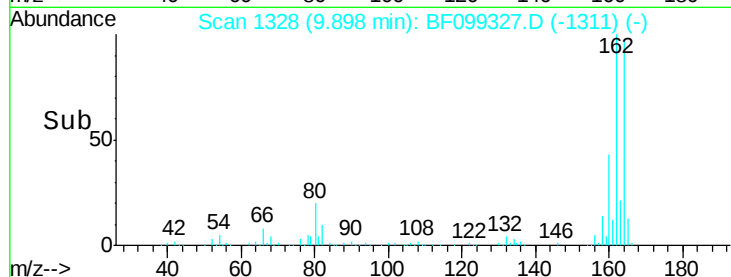
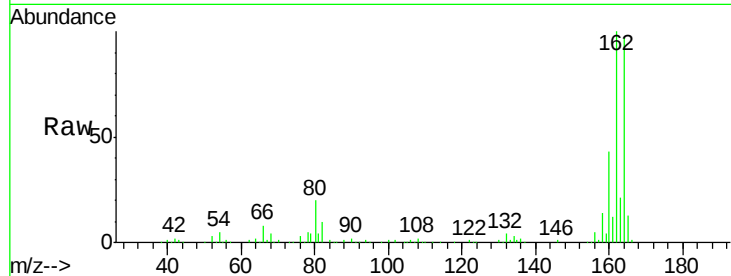




#56
2,4-Dinitrotoluene
Concen: 5.97 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

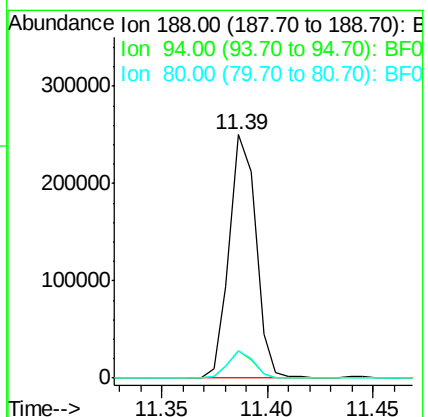
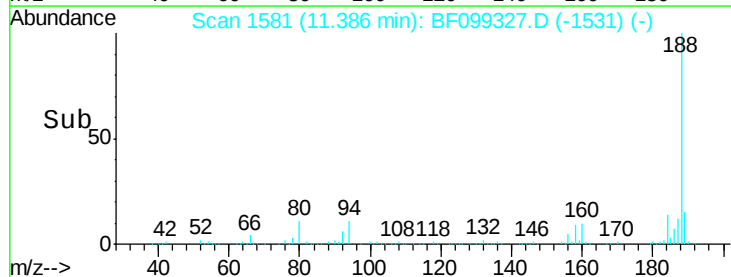
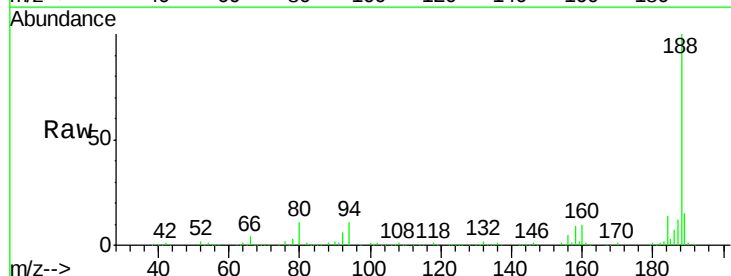
Instrument :
BNA_F
ClientSampleId :

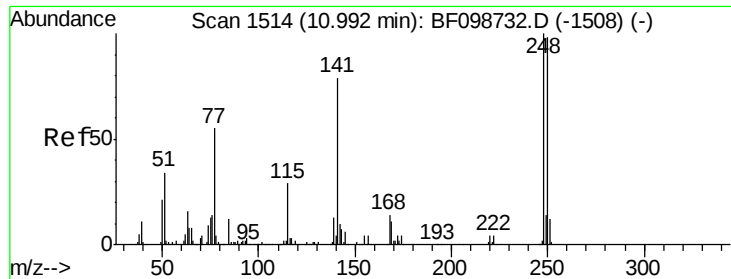
Tot Ion:	165	Resp:	17494
Ion Ratio	Lower	Upper	
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

Tgt Ion:	188	Resp:	219439
Ion Ratio	Lower	Upper	
188	100		
94	11.0	8.5	12.7
80	11.2	9.2	13.8

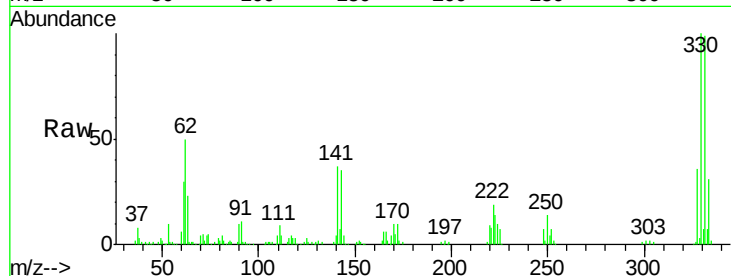




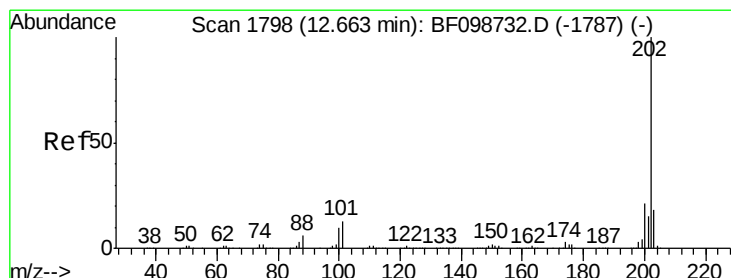
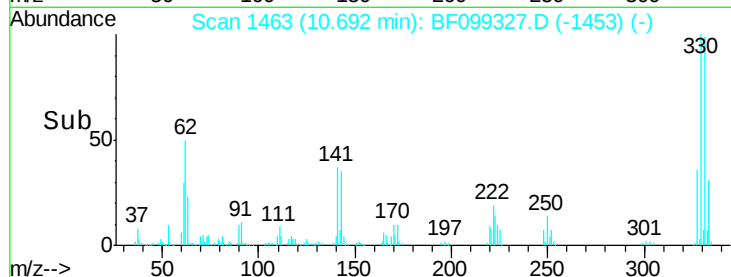
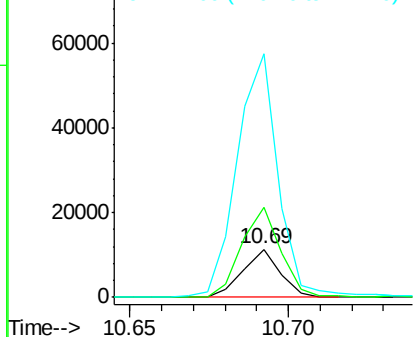
#66
 4-Bromophenyl-phenylether
 Concen: 4.26 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.24 min
 Lab File: BF099327.D
 Acq: 11 Oct 2017 3:57

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 9142
 Ion Ratio Lower Upper
 248 100
 250 187.6 76.9 115.3#
 141 508.4 74.4 111.6#

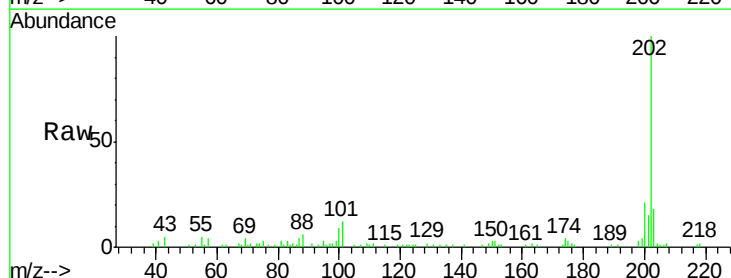


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

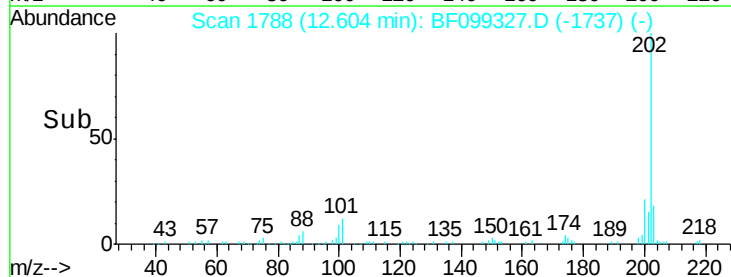
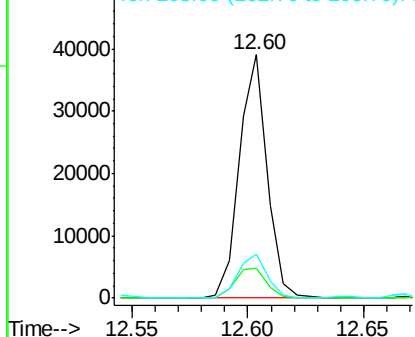


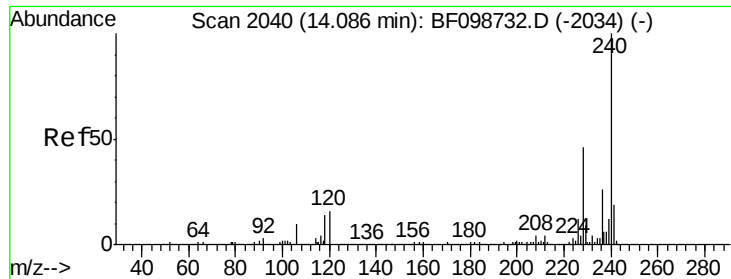
#74
 Fluoranthene
 Concen: 2.76 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. -0.00 min
 Lab File: BF099327.D
 Acq: 11 Oct 2017 3:57

Tgt Ion:202 Resp: 32779
 Ion Ratio Lower Upper
 202 100
 101 12.3 0.0 34.1
 203 18.2 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampled :

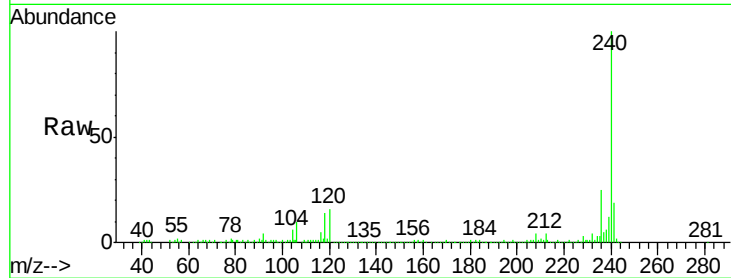
Tot Ion:240 Resp: 185718

Ion Ratio Lower Upper

240 100

120 15.5 9.5 14.3#

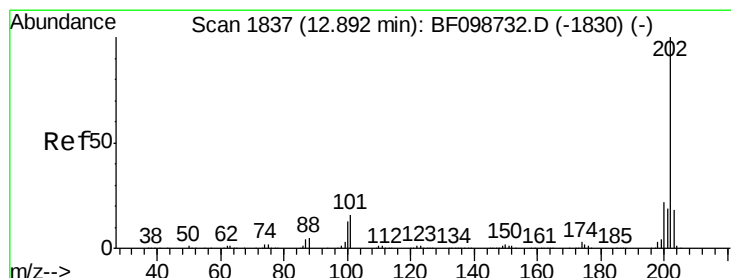
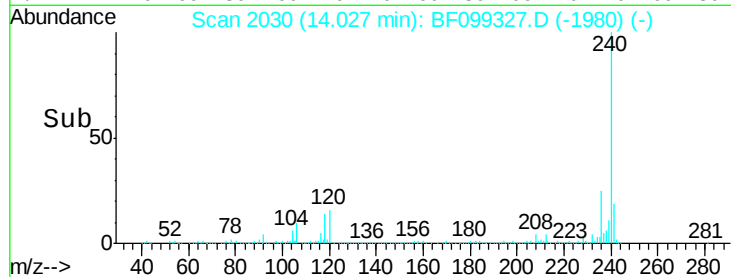
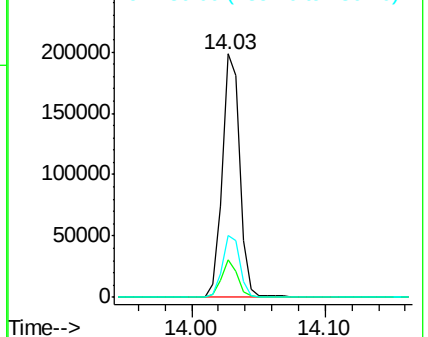
236 25.2 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 2.48 ng

RT: 12.83 min Scan# 1827

Delta R.T. -0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

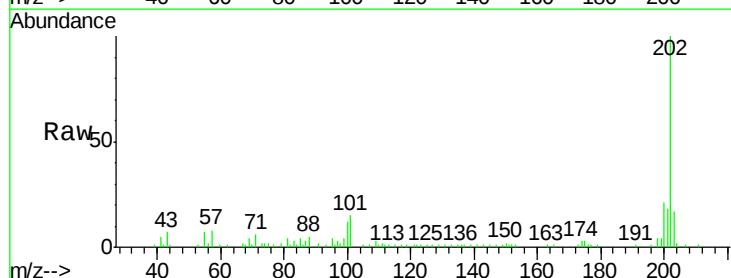
Tgt Ion:202 Resp: 35154

Ion Ratio Lower Upper

202 100

200 21.1 17.4 26.2

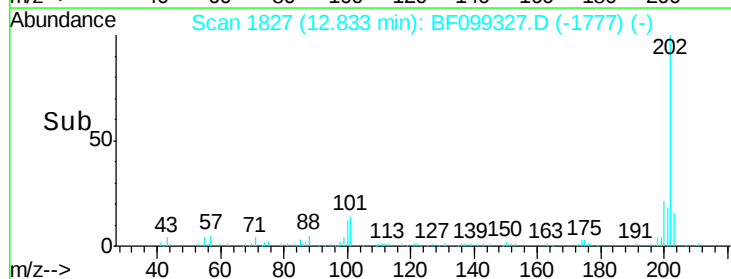
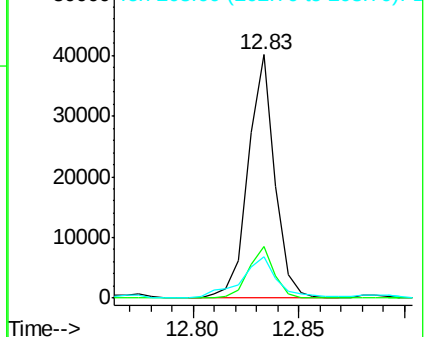
203 17.2 14.3 21.5

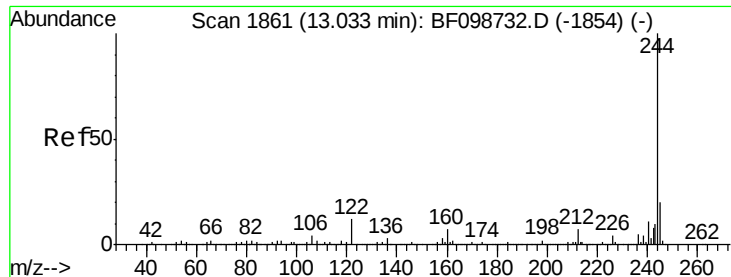


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 85.10 ng

RT: 12.97 min Scan# 1851

Delta R.T. -0.00 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

Instrument :

BNA_F

ClientSampled :

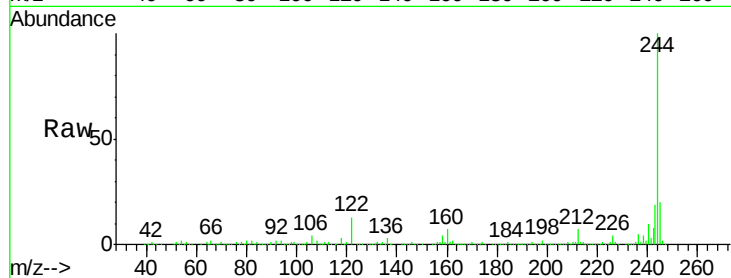
Tot Ion:244 Resp: 694918

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

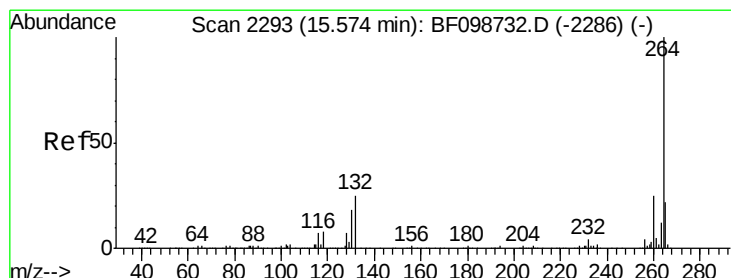
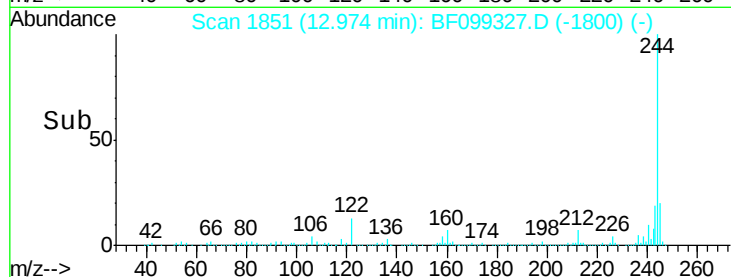
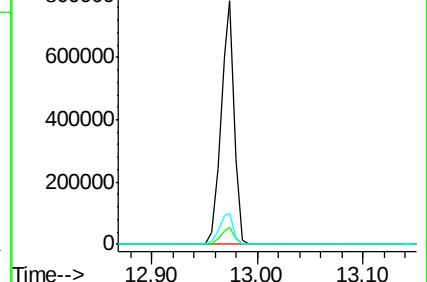
122 13.0 11.0 16.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF099327.D

Acq: 11 Oct 2017 3:57

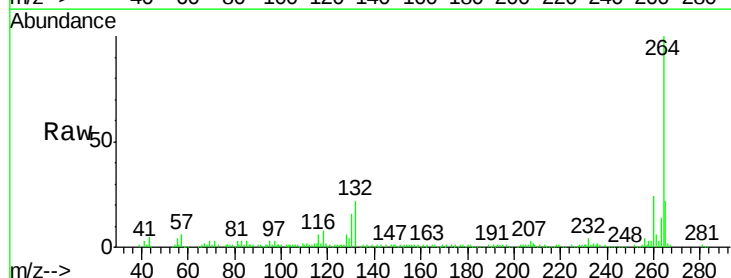
Tgt Ion:264 Resp: 124817

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

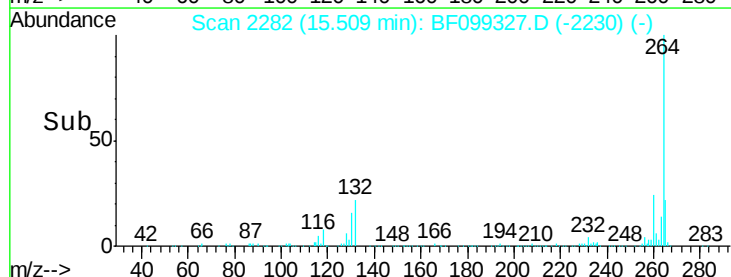
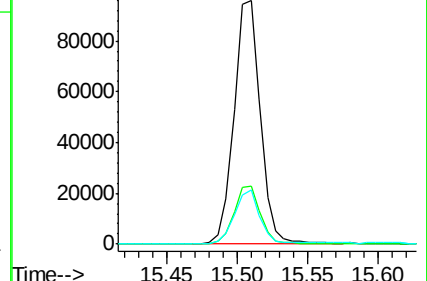
265 22.4 17.5 26.3

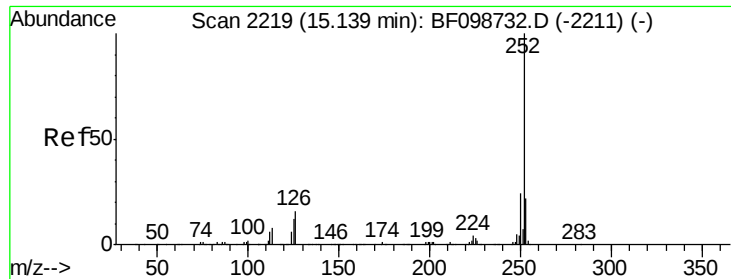


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

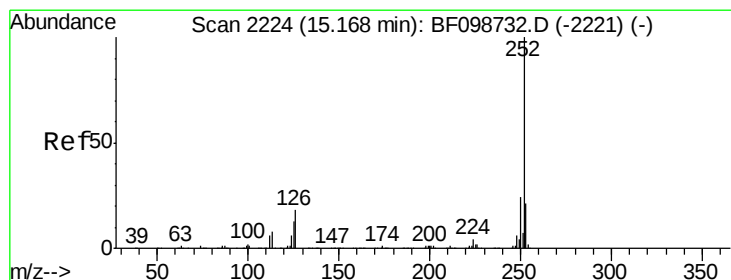
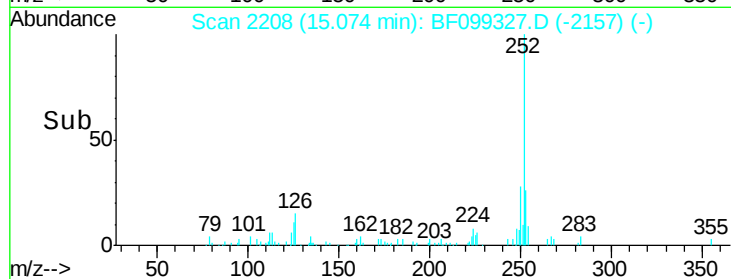
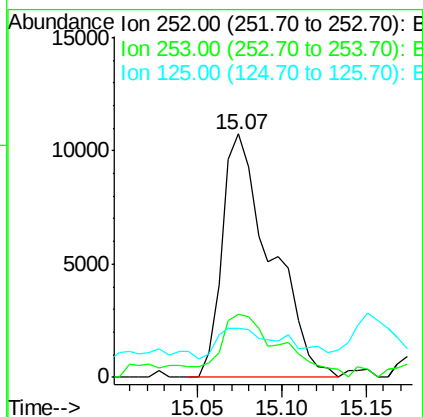
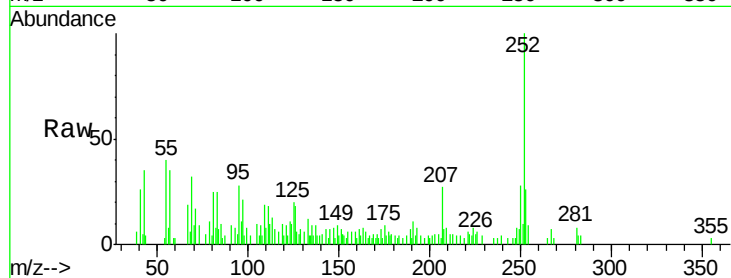




#87
Benzo(b)fluoranthene
Concen: 2.79 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.00 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.0	25.6#
125	20.0	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 2.83 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF099327.D
Acq: 11 Oct 2017 3:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.9	26.9
125	20.0	10.2	15.2#

